HC WHITEFIELD

Urban District of Whitefield.

ANNUAL REPORTS

FOR THE YEAR 1913

OF THE

Medical Officer of Health

AND

Sanitary Inspector.

Presented to the Council, March, 1914.

WHITEFIELD:
J. JACKSON, PRINTER, 245, BURY NEW ROAD.

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BRITISH MUSEUM
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Whitefield Urban District Council.

SANITARY COMMITTEE.

Councillor G. LEYLAND (*Chairman*).
,, J. BENTLEY
,, J. BRADSHAW
,, N. S. HALL
,, J. HILTON
,, J. MORETON
,, J. REDFORD
,, H. SPENCER
,, J. W. TABINER

Medical Officer of Health:
ARCHIBALD J. YOUNG, L.R.C.S.E., L.R.C.P.E.

Sanitary Inspector:
ELI SHAW, A.R.San.Inst.,
Certified Meat and Food Inspector.

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Urban District Council of Whitefield.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

For 1913.

WHITEFIELD,
March, 1914.

To the Chairman and Gentlemen of the Whitefield Urban District Council.

Sirs,

I beg to hand you my Report for the year 1913.

The area of your District is 1398 acres. The population is calculated to be 7021, which gives an average of five persons per acre.

The number of houses in your District is now 1705, 15 new houses being erected during the year. The number of inhabitants per house is about four.

The inhabitants of your District are chiefly occupied in the weaving, bleaching, dyeing, and finishing of cotton goods.

The houses in your District, on the whole, are satisfactory. The majority have a sufficiency of air space, and only in some instances are otherwise than clean inside and in surroundings.

During this year, the Council recognising the scarcity of working-class houses in your District, and the difficulty that the displaced occupiers of houses (which may be closed as unfit for human habitation) would have in obtaining suitable accommodation in the District, recommended that only the most defective dwelling-houses should be inspected and dealt with until the contemplated Scheme for the erection of 58 dwelling-houses for the working-class was nearing completion; as a consequence, only seven houses were inspected and deemed unfit for human habitation during the year.

Six of these houses were empty, the remaining one being dilapidated and defective. Closing and Demolition Orders were issued with respect to the seven houses referred to, but at the end of the year the Orders had not been carried out.

In conformity with the Housing (inspection of the District) Regulations, 1909, the procedure to give effect to the Regulations and the requirements of Section 17 of the Housing and Town Planning Act, 1909, has been continued during 1913. The officer to undertake the special inspection of houses and keep records stipulated by Article 2, being the Inspector of Nuisances. The necessary books, forms, etc., having been obtained.

The Council had before them a scheme for the erection of artisan's dwellings, which has been carried forward, and after an Inquiry by an Inspector of the Local Government Board, will now, having received their sanction, be carried out. The contemplated number of dwellings to be erected being about 58.

I see from Mr. Shaw's Report that the total number of inspections of drains for the purpose of testing and examinations is 428. The number of defects disclosed by the tests were 131.

In the case of new drainage where water is available, the "hydraulic" or "water" test is applied; where this is impracticable they are tested by "smoke."

The scavenging of the ashpits was satisfactory; the refuse being conveyed to a tip. The work being performed by the Sanitary Authority. The number of loads of refuse removed and the number of receptacles emptied being:—Loads, 2596; Ashbins, 21772; Ashpits, 1255; Privy Middens, 1878; Gullies, 4742.

The Sanitary accommodation of the District at the end of the year being:—Fresh water closets, 612; waste water closets, 167; pail closets, 70; privy middens, 447; ashbins, 370; dry ashpits, 196. Steady progress has been made with the conversion of insanitary privy middens to the water carriage system. 72 new fresh water closets being provided in place of privy middens.

During the year the notable Sanitary improvements were:—erection of sewer ventilating shafts; re-laying of Charnley Street, Back Half Acre Lane, and Back Bury New Road sewers, and the new outfall sewer from the Sewage Works.

The drinking water is supplied by the Bury & District Joint Water Board, and is upland water received into reservoirs, and is on the whole satisfactory.

During the year, measles, scarlet fever, and whooping cough prevailed in the district. In March, I recommended the closing of the Infant department of the Besses New Jerusalem School owing to an outbreak of measles. Twenty-seven cases of scarlet fever and one of anthrax were removed and treated in hospital. Fifty rooms in forty-three houses were disinfected with the fumes of fomaldehyde, and the interiors sprayed with a solution of formalin. One public school has been disinfected twice. The bedding from patients with infectious disease is disinfected by steam at the Isolation Hospital.

The number of registered workshops in your District is 62. They have been periodically visited and found to be in a satisfactory condition generally; nine defects being discovered and the same remedied. They were:—want of cleanliness, one; unsuitable or defective sanitary accommodation, six; illegal occupation of underground bakehouse, one; breach of special sanitary requirements for bakehouses (s.s. 97 to 100), one.

The six slaughter-houses have been inspected at intervals; 71 visits being paid, and the following carcases examined:—beasts, 111; sheep, 232; pigs, 14; calves, 9. A cow which was affected with tuberculosis was discovered in the process of being dressed, and was seized and destroyed along with the whole of the internal organs; the total weight being 481-lbs. The lungs of another beast also affected with tuberculosis were seized and destroyed.

The dairies and cowsheds have been inspected on 64 occasions. The condition of the seven unsatisfactory cowsheds mentioned in the last Annual Report has been greatly improved during the year under review; one new cowshed having been constructed, and two cowsheds constructed in existing buildings which have been altered and arranged to comply with the Council's Cowsheds Regulations.

During the year a Veterinary Surgeon was appointed to inspect milk cows in the District, for evidence of tuberculosis and other unhealthy conditions which would be likely to affect the milk supply of your District. He visited the various cowsheds 45 times, and examined 711 cows, and in several cases which were suspicious,

isolated the milk. In two cases, samples of milk were taken by officials acting under the Tuberculosis Order; the results being negative. I consider the appointment of this officer an important one, more in the direction of securing a better and purer milk supply, especially as it affects the health of the children.

VITAL STATISTICS.

According to the Regulations of the Local Government Board and County Council, Tables I, II, III, IV, and C have been prepared, giving a classified statement of the births, deaths, and sickness during the year.

The deaths recorded numbered 98, equalling a death rate of 13·9 per 1000 (85 occurred in the District, and 13 in institutions out of the District of persons usually resident in the District). The births numbered 131 (68 males and 63 females), equalling a birth rate of 18·6 per 1000. Of the 98 deaths at all ages, 19 were children under one year of age; three at one and under two years; one at two and under five years; three at five and under 15 years; two at 15 and under 25 years; 14 at 25 and under 45 years; 25 at 45 and under 65 years; and 31 at 65 years and over. The deaths of infants under one year of age were 19, equalling a rate of infantile mortality of 145 (last year, 116). Of the deaths under one year, eight were due to premature birth, four to diarrhœa, three to bronchitis, three to marasmus, and one to pneumonia. There was one death from zymotic disease due to measles, equalling a rate of ·14 per 1000. Deaths from respiratory diseases numbered 24 (excluding four from phthisis), giving a rate of 3·4 and ·78 per 1000. Cancer caused five deaths, equalling a rate of ·71 per 1000. During the year the cases of infectious diseases numbered 74 (including 30 of tuberculosis; pulmonary, 22; other forms, 8). Scarlet fever, 39 cases (no death); erysipelas, three (no death); enteric fever, one (no death); acute anterior poliomyelitis, one (one death).

I wish to thank the Chairman and Members of the Council for their kind help and consideration during the year.

I am,

Your Obedient Servant,

A. J. YOUNG.

TABLE I.

Vital Statistics of Whole District during 1913 and previous Years.

Year	Population estimated to middle of each year	Births			Total Deaths Registered in the District.		Transferable Deaths.		Nett Deaths belonging to the District			
		Un-corrected Number	Nett				Of Non-residents registered in the District	Of Residents not registered in the District	Under 1 year of age		At all ages	
			Number	Rate	Number	Rate			Number	Rate per 1000 net Births	Number	Rate
1	2	3	4	5	6	7	8	9	10	11	12	13
1908	6877		144	21·2	101	14·7		19	18	123·	120	17·4
1909	6888		128	18·6	95	13·7		13	9	70·3	101	15·6
1910	6902		143	22·1	97	14·		18	17	118·	115	16·6
1911	6980		145	20·7	82	11·7		12	22	151·7	94	13·4
1912	7004		137	19·5	75	10·7		16	16	116·7	91	11·5
1913	7021		131 68 Males 63 Females	18·6	86	12·2	1	13	19	145·	98 51 Males 47 Females	13·9

Area of District in acres (land and inland water) 1398.

Total Population at all ages ... 6967
Number of inhabited houses... ... 1698 } At Census, 1911.
Average number of persons per house 4

TABLE II.

Cases of Infectious Disease notified during the Year 1913.

Notifiable Disease.	Number of Cases Notified.							
	At all Ages	At Ages—Years						
		Under 1	1 and under 5 years	5 and under 15 years	15 and under 25 years	25 and under 45 years	45 and under 65 years	65 and upwards
Smallpox								
Cholera (C) Plague (P) ...								
Diphtheria (including Membranous Croup)...								
Erysipelas	3			1			2	
Scarlet Fever	39	1	18	17	2	1		
Typhus Fever								
Enteric Fever	1				1			
Relapsing Fever (R) ... Continued Fever (C) ...								
Puerperal Fever								
Cerebro-spinal Meningitis..								
Poliomyelitis								
Pulmonary Tuberculosis ...	22			2	3	12	5	
Other forms of Tuberculosis	8		2	4	1		1	
Ophthalmia Neonatorum...								
AcuteAnterior Poliomyelitis	1			1				
Totals	74	1	20	25	7	13	8	

TABLE III.

Causes of, and Ages at Death during the Year 1913.

Causes of Death.	Net Deaths at the subjoined ages of "Residents" whether occurring within or without the District.								
	All Ages	Under 1 year	1 and under 2 years	2 and under 5 years	5 and under 15 years	15 and under 25 years	25 and under 45 years	45 and under 65 years	65 and upwards
1	2	3	4	5	6	7	8	9	10
All causes { Certified (c) ...	94	18	3	1	3	2	13	24	30
All causes { Uncertified ...	4	1					1	2	
1. Enteric Fever									
2. Small Pox									
3. Measles	1			1					
4. Scarlet Fever									
5. Whooping Cough ...									
6. Diphtheria and Croup..									
7. Influenza	2						1	1	
8. Erysipelas									
9. Phthisis (Pulmonary Tuberculosis)	2						2		
10. Tuberculosis Meningitis									
11. Other Tuberculous Diseases									
12. Cancer, malignant Disease	5							5	
13. Rheumatic Fever ...									
14. Meningitis	2				1	1			
15. Organic Heart Disease.	21						4	7	10
16. Bronchitis	14	3					1	5	5
17. Pneumonia (all forms)..	10	1	1		1	1	2	2	2
18. Other diseses of respiratory organs...									
19. Diarrhœa and Enteritis	5	4	1						
20. Appendicitis & Typhlitis									
21. Cirrhosis of Liver ...									
21a. Alcoholism									
22. Nephritis and Bright's Disease	2							2	
23. Puerperal Fever... ...									
24. Other accidents and diseases of Pregnancy and Parturition ...									
25. Congenital Debility and Malformation, including Premature Birth	11	11							
26. Violent Deaths, excluding Suicide	3		1					2	
27. Suicide...									
28. Other Defined Diseases	13				1		3	2	7
29. Diseases ill-defined or unknown...	7						1		6
Totals	98	19	3	1	3	2	14	26	30

TABLE IV.

Infant Mortality during the Year 1913.

Net Deaths from stated Causes at various Ages under 1 Year of Age.

Causes of Death.	Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 4 weeks	4 weeks and under 3 months	3 months and under 6 months	6 months and under 9 months	9 months and under 12 months	Total Deaths under 1 year
All Causes { Certified... ...	8				8	4	2	1	3	18
All Causes { Uncertified ...	1				1					1
Small-pox										
Chicken-pox										
Measles										
Scarlet Fever										
Whooping Cough										
Diphtheria and Croup ...										
Erysipelas										
Tuberculous Meningitis ...										
Abdominal Tuberculosis ...										
Other Tuberculous Diseases										
Meningitis (*not Tuberculous*)										
Convulsions										
Laryngitis										
Bronchitis						2			1	3
Pneumonia (all forms) ...									1	1
Diarrhœa										
Enteritis						1	2	1		4
Gastritis										
Syphilis										
Rickets										
Suffocation, overlying ...										
Injury at Birth										
Atelectasis										
Congenital Malformations..										
Premature Birth	8				8					8
Atrophy, Debility, and Marasmus	1				1	1			1	3
Other Causes										
Totals	9				9	4	2	1	3	19

Net Births in the year { legitimate ... ... 127.
illegitimate ... ... 4.

Net Deaths in the year of { legitimate Infants.. 17.
illegitimate Infants 2.

TABLE (C).

Summary of Medical Officer's Report for 1913.

URBAN DISTRICT OF WHITEFIELD.

Medical Officer of Health, A. J. YOUNG.

Inspector of Nuisances, ELI SHAW.

What is the character of the Hospital Accommodation? For Small-pox? Good. For other Infectious Diseases? Good.

Is it Joint or otherwise? Joint.

No. of Beds available for your District? For Small-pox? All. For other Infectious Diseases? All.

No. of cases removed to Hospital from your District? Small-pox, nil. Diptheria, nil. Scarlet Fever, 27. Enteric Fever, nil. Anthrax, 1. Total, 28.

Deaths in Hospital of patients from your District? From what causes? Nil.

How is Disinfection carried out? Houses, Fumes of Formaldehyde. Spray of Sol Formalin. No. of Houses disinfected? 50 rooms, 43 houses. Apparatus used for Clothing, Bedding, &c. (steam or otherwise)? Steam Disinfector. Where is Apparatus situated? Bury and District Joint Hospital, Bury. If Apparatus at a Hospital is available is it used for the disinfection of Clothing, Bedding, &c., of Patients not removed to the Hospital? Yes.

If not, please state how disinfection of Clothing, &c., in these cases is carried out. Nil.

Are any Diseases not specifically mentioned in the Infectious Diseases Notification Act notifiable (for instance, Measles, Whooping Cough, Diarrhœa, Chicken Pox, Ophthalmia Neonatorum, &c.)? If so, what are they? Cerebro-spinal Memingitis.

Diseases specially prevalent? Measles and Scarlet Fever. Period? Measles, March. Scarlet Fever, September to December.

Any Schools closed? Yes. If so, for what Disease? Measles, in March.

No. of Special Reports made under Art. XIX. (15 and 16) Sanitary Officers' Order, 1910? One.

Bacteriological Examinations. No. and nature of specimens examined? Nil.

Arrangement (if any) made under the Diphtheria Anti-toxin Order, 1910? Anti-diphtheria Serum supplied free.

"The Housing of the Working Classes Acts, 1890 to 1909."

Has your Authority determined the procedure to be adopted for the inspection of your District, as required by Article 1 of the Regulations? Yes.

Has your Authority prepared, as required by Article 1 (3) a list of dwelling-houses, the early inspection of which is desirable? Yes.

Has your Authority designated an officer to undertake the special inspection of houses, and to keep the records stipulated by Article 2. If so, what officer? Inspector of Nuisances.

Have the necessary books, forms, &c., for keeping the required records been obtained? Yes.

Action taken in 1913:—

No. of dwelling-houses inspected under Sec. 17 of the Act of 1909? Seven.

,, dwelling-houses considered unfit for human habitation? Seven.

,, representations to Authority with a view to making Closing Orders? Seven.

,, Closing Orders made? Seven.

,, dwelling-houses in which defects were remedied without making Closing Orders? Nil.

,, dwelling-houses put into a fit state of habitation after making Closing Orders? Nil.

,, dwelling-houses demolished? (Order issued.) Seven.

General character of defects found to exist? General dilapidations.

Is there a deficiency of housing accommodation? If so, where? Yes. Action under H. of W. C. Acts; scheme has been approved by L. G. B. for erection of 58 houses.

Source of the Water Supply? Bury Joint Water Board. What is its condition? Satisfactory (sometimes muddy in summer). Possibilities of contamination? Nil. Is it subject to your inspection? No.

Is Scavenging and Removal of House Refuse carried out satisfactorily? Yes. How performed (by Sanitary Authority, Contract, or Occupiers of Houses)? By Sanitary Authority.

How is the Refuse disposed of? Carted to a tip. Has a Destructor been provided? No.

Sewage Disposal Works. Method of Treatment? Precipitation tanks, continuous filter, humus tanks, and storm tanks. What is the character of the Drainage System? Combined. Drain Testing, Flushing, &c.? "Water and Smoke" tests. Periodic flushing.

Action taken with regard to the Pollution of Streams? Nil.

Canal Boats: Number Inspected? Nil. Number of Infringements of Acts? Nil.

What is the condition of the Bakehouses? Satisfactory.

What is the condition of the Slaughter Houses? Fair. Has a Public Abattoir been provided? No.

What is the condition of the Lodging Houses? Nil. Are they Registered? Nil.

What is the Sanitary condition of the Schools? Satisfactory.

Dairies, Cowsheds, and Milkshops—Are they periodically inspected? Yes. What is their condition? Fair.

Have Regulations been made under the Order of the L. G. B.? Yes. Are they enforced? Yes.

Amount of air space in cubic feet required for each cow? 800 cubic feet.

No. of Cowkeepers? 11. No. on Register? 11.

No. of Dairymen or Purveyors of Milk (other than Cowkeepers)? 12. No. on Register? 12.

Action taken (if any) as to tuberculous milk? Veterinary Surgeon inspects cows for tuberculosis of udder.

Total amount of Food seized as unfit for Human consumption? 486 lbs.

No. of Carcases and parts of Carcases condemned for Tuberculosis? One carcase and whole of internal organs of one cow, and lungs from another.

Number of Legal Proceedings, and result? None.

Department of Inspector of Nuisances. No. of Notices served? 85. Nuisances remedied? 176. No. of Legal Proceedings taken, and result? One, overcrowding. Withdrawn on payment of costs. Nuisance abated between summons and hearing of case.

Closet accommodation of the District. No. of Privy Middens? 447. Pail Closets? 70. Fresh Water Closets? 602. Waste Water Closets? 167. No. of Privy Middens converted during 1913? To W.C.'s? 27 converted to 72 W.C.'s. To Pails, &c.? None. No. of Pail Closets converted to W.C.'s? None. Does Council contribute towards the cost of conversion of either privies or pail closets, or both? If so, how much? No.

Smoke. No. of Observations? 37. No. of Legal Proceedings taken, and result? None. What is the time limit allowed for the emission of black smoke per hour? 10 minutes.

Has the Authority adopted "The Infectious Disease (Prevention) Act, 1890"? Yes. "The Public Health Acts Amendment Act, 1890"? Yes. "The Public Health Acts Amendment Act, 1907"? Section 50, and Part VI. "The Notification of Births Act, 1907"? No.

Has a Health Visitor been appointed? No.

Notable Sanitary improvements during 1913? Erection of 10 Sewer Ventilating Shafts. Relaying of Charnley Street, Back Half Acre Lane, and Back Bury New Road Sewers. New Outfall Sewer from Sewage Works.

Chief Sanitary requirements of District? Sewering of Park Lane. More houses for the working classes.

Urban District Council of Whitefield.

ANNUAL REPORT

OF THE

SANITARY INSPECTOR

For 1913.

WHITEFIELD,

March, 1914.

To the Chairman and Gentlemen of the Whitefield Urban District Council.

Gentlemen,

I have pleasure in presenting to you my third Annual Report, this being a summary of the the work done in the Sanitary Department for the year ended 31st December, 1913.

Notices.

75 Preliminary notices were served upon the owners or occupiers to abate the nuisances and sanitary defects found in connection with dwelling-houses, etc., in the course of inspections.

The greater portion of the nuisances referred to in the notices received immediate attention by the persons concerned. It was necessary, however, to issue 10 statutory notices to secure the abatement of nuisances owing to the non-compliance with the preliminary notices. Legal proceedings were instituted in the case of one nuisance (overcrowding), the nuisance being abated after the issue of the summons, the case being withdrawn upon payment of costs.

Nuisances.

176 Nuisances were reported to the Sanitary Committee, the following table gives particulars of nuisances occurring respecting which Preliminary Notices were issued :—

Choked Fresh Water Closet Drains...	4
,, Waste ,, ,, ,, ...	2
,, Sink Waste Gully ,, ...	8
,, Yard ,, ...	2
,, Fresh Water Closets	4
,, Waste ,, ,, ...	10
,, Sink Waste Gullies	14
,, Rain Water Downspouts	7
Defective Water Closet Drains	6
,, Waste ,, ,, ...	1
,, Yard ,, ...	8
,, Rain Water Downspouts	8
,, Eaves Troughs	9
,, Sink Waste Pipes	3
,, Water Closet Flush Cisterns	4
,, Fresh Water Closet Pedestal	1
,, Waste ,, ,, ,, ...	1
,, Cellar Gullies...	2
,, Scullery ,, ...	2
,, Sink Waste Gullies	8
,, Flush Pipe Connection to Pedestal	4
,, Soil ,, ,, ,, Drain	2
Insufficient Yard Drains	4
,, Rain Water Downspouts	2
,, Water Closet Accommodation	1
Accumulation of Manure	5
Damp Walls...	2
Rain Water Downspouts connected direct to Drain	17
Privy Middens offensive	26
House overcrowded	1
Ashpits without proper Door and Fastenings... ...	2
Poultry kept so as to be a nuisance...	2
House in filthy condition	3
Cesspool causing nuisance...	1
Total	176

Factories and Workshops.

65 Visits of inspection have been paid to Factories and Workshops in the District, which were found to be in a satisfactory condition generally. 9 Nuisances were discovered; these were abated after notices had been served upon the occupiers. One room which was being used for the purpose of an underground bakehouse has been closed. The total number of bakehouses is 15, two of which are underground bakehouses. The bakehouses were kept in a satisfactory condition, and limewashed periodically during the year.

Two notices were received from H.M. Inspector of Factories, calling attention to (*a*) no sanitary accommodation provided; (*b*) unsuitable sanitary accommodation for males, and no sanitary accommodation for females. Notices were served upon the occupiers which had not been complied with at the end of the year.

No Lists of Outworkers were received during the year.

There were 62 Workshops on the Register at the end of the year.

Registered Workshops.

Bakehouses	15
Boot and Shoe Repairing	8
Blacksmiths	3
Builders...	1
Cloggers	2
Chip and Fish Shops	6
Drysalters	2
Dressmakers...	1
Hairdressers...	3
Joiners	3
Laundry (domestic)	1
Motor Repairer	1
Monumental Masons	2
Milliner	2
Painters...	2
Plumbers	2
Print Cutter	1
Printer	1
Stocking Knitter	1
Saddler	1
Tailor	1
Tinsmith	1
Watch and Clock Repairer	1
Wheelwright...	1
Total	62

Inspection of Factories, Workshops, and Workplaces.

Premises	Number of		
	Inspections	Written Notices	Prosecutions
FACTORIES (including Factory Laundries)	16		
WORKSHOPS (including Workshop Laundries) ...	49		
WORKPLACES (other than Outworkers premises) ...	—		
Total	65		

Defects Found.

Particulars.	Number of Defects			Number of Prosecutions
	Found	Remedied	Referred to H.M. Inspector	
Nuisances under the Public Health Acts— Want of Cleanliness ...	1	1	...	...
Sanitary Accommodation— Unsuitable or defective ...	6	6	...	...
Offences under F. & W. Acts Illegal occupation of underground Bakehouse ...	1	1	...	...
Breach of special requirements for Bakehouses...	1	1	...	...
Total	9	9	...	...

Slaughter-houses.

The six registered Slaughter-houses in the District have been inspected at intervals, 71 visits being paid. The unsatisfactory process of "inflating" carcases has been pointed out on several occasions during the inspection of slaughtering operations; the practice has been to a large extent discontinued.

Carcases Examined.

Beasts.	Sheep.	Pigs.	Calves.	Total.
111	232	14	9	366

A beast which was affected with tuberculosis was discovered in the process of being dressed, and was seized and destroyed, along with the whole of the internal organs, the total weight being 481-lbs.; the lungs of another beast which were affected with tuberculosis were seized and destroyed.

The Slaughter-houses have been kept in a satisfactory state, and limewashed in accordance with the Regulations.

Smoke Observations.

37 Smoke observations of the Mill and Works chimneys in the District have been taken, each being of 60 minutes duration.

The aggregate amount of black smoke emitted during the 37 hours was 47 minutes, 45 seconds, which is equal to an average of 1 minute, 17 seconds black smoke for each observation.

In 14 only of the observations was black smoke emitted, the longest emission being eight minutes, the average amount of black smoke being 3 minutes, 24 seconds.

The time limit (ten minutes to the hour) allowed by the Council for the emission of black smoke, was not exceeded.

As early as convenient after each observation, a copy thereof is forwarded to the firm. This enables them at once to ascertain the cause of any excessive emission of black smoke.

Dairies and Cowsheds.

The Dairies and Cowsheds have been inspected on 64 occasions. The condition of the seven unsatisfactory Cowsheds mentioned in the last Annual Report has been greatly improved during the year, one new Cowshed having been constructed, and two Cowsheds constructed in existing buildings which have been altered and arranged to comply with the Council's Cowsheds Regulations regarding air space, lighting, ventilation, drainage, etc.

In one case the owner of the farm declined to carry out any alterations, the alterations being carried out at the expense of the farmer.

One notice with respect to the non-limewashing of Cowsheds was served upon one occupier, which secured immediate compliance with the Regulations.

The remaining Cowsheds were kept in a fairly satisfactory condition.

In the District there are 11 Cowkeepers using 21 Cowsheds for the purpose of their trade.

The Cowsheds, Dairies, and Milkshops' Register contains the names of four persons selling milk from premises within the District. These are regularly visited, and any insanitary conditions observed are forthwith brought to the notice of the occupier, who, as a rule, takes steps to remove the cause of complaint.

The Register also contains the names and addresses of eight persons from outside the District who purvey milk within the District, and to whose premises your Inspectors have no right to visit for the purpose of inspection.

13 Visits have also been paid to Cowsheds along with the Veterinary Inspector.

Infectious Disease.

94 Visits have been made to houses in which cases of infectious disease have occurred and been notified, the number of notifications being :—

Notifications, 1913		Removed to Hospit'l, 1913	Notifications, 1912	Removed to Hospit'l, 1912
Scarlet Fever	39	27	7	2
Typhoid ,, ...	1	0	0	0
Diphtheria	0	0	1	0
Erysipelas	3	0	3	0
Acute Poliomyelitis...	1	0	0	0
Anthrax	1	1	0	0
Total	45	28	11	2

Upon receipt of a notification of infectious disease, the home is visited and endeavours made to trace the origin of the disease, the patient is isolated, either by removal to the Isolation Hospital, or placed in a separate room at their own house. If the patient is kept at home, instructions are given respecting isolation and disinfection, the houses being re-inspected during convalescence. On the patient becoming convalescent, intimation is given to the Sanitary Inspector, who gives directions and supervises the disinfection of the room, bedding, clothing, etc.

The sanitary condition of the house is ascertained, the drains and fittings tested for the purpose of detecting conditions dangerous to health.

50 Rooms in 43 houses were disinfected with the fumes of formaldehyde, and the interior of the rooms sprayed with a solution of formalin.

One Public School has been disinfected twice with the fumes of formaldehyde, the desks, walls, books, etc., sprayed with a solution of formalin.

Four Sets of infected bedding from homes where the patient has been isolated at home have been disinfected by Steam at the Isolation Hospital, the infected bedding from patients removed to Hospital is removed, along with the patient, and disinfected by Steam.

Offensive Trades.

There is one offensive trade established in the District, viz :— Tripe Boiler. Two visits have been paid to the establishment, and on one occasion conditions were found that were not conducive to the best interests of the trade carried on; these were removed upon the occupier being notified. The trade has since been carried on in a satisfactory manner.

Sewers and Drains.

The defective Sewers in Charnley Street, Back Half Acre Lane, and Back Bury New Road, have been taken out and re-laid, and placed in a satisfactory condition. One new inspection chamber has been provided on the Back Green Lane Sewer.

In the case of new drainage, where water is available, the "hydraulic" or "water" test is applied to all drains; where this is inpracticable, the drains are tested by the "smoke" test.

The number of defects disclosed by the tests were 131, which, in the absence of any test, would have remained serious factors, detrimental to the health of those living in or using the premises with which the defective drains were connected.

The total number of inspections of drains, etc., for the purpose of testing and examination, is 428.

The lengths of the various drains, and the number of sanitary fittings inspected, tested, and approved, are as follows :—

Testing of Drains and Sanitary Fittings.

4 in.	Drain, Water tested	1008 lin. ft.	
4 in.	,, Smoke tested	661 ,,	
4 in.	,, not tested	745 ,,	
			2414 lin. ft.
6 in.	Drain, Water tested	545 lin. ft.	
6 in.	,, Smoke tested	350 ,,	
6 in.	,, not tested	314 ,,	
			1209 lin. ft.
9 in.	Drain, not tested	6 lin. ft.	6 ,,
12 in.	,, ,, ...	28 ,,	28 ,,
		Total ...	3657 lin. ft.
4 in.	Cast Iron Ventilating Shaft ...	210 lin. ft.	
4 in.	,, Fresh Air Inlet Shaft	48 ,,	
			258 lin. ft.
	Defective Drain Pipe Joints ...		131
4 in.	,, ,, ..		26 ,,
6 in.	,, ,, ...		16 ,,
	Defective Fittings, W.C. Pedestals		3
	,, Fittings, Trapped Gully		1
4 in.	New Trapped Gullies		99
4 in.	,, Intercepting Traps		1
6 in.	,, ,, ,, ...		14
	,, ,, Chambers ...		18
4 in.	,, Ventilating Shafts on Drains		13
3 in.	Rain Water Downspouts disconnected from Drains ...		30
4 in.	Existing Drains Smoke tested ...	79 lin. ft.	
6 in.	,, ,, ...	157 ,,	
			236 lin. ft.
	Existing Drains defects		17
	Stoneware Urinals fixed		2
	Galvanised Iron Ashbins, new ...		60
	Privy Middens converted into Dry Ashpits		5
	New Fresh Water Closets ...		24
	New Fresh Water Closets in lieu of Waste W.C.'s		3
	New Fresh Water Closets in lieu of Privy Middens		72
		Total ...	99
	New Trough Closets at Works	Total ...	8

Closet Accommodation.

The Closet accommodation of the District at the beginning of the year, was :—

Fresh Water Closets ...	503	Increase during year...	99	At end of year	602
Waste ,, ...	170	Decrease ,, ...	3	,,	167
Dry Ashpits ...	191	Increase ,, ...	5	,,	196
Privy Middens ...	474	Decrease ,, ...	27	,,	447
Ashbins	317	Increase ,, ...	60	,,	377
Pails	70	,, ,, ...	0	,,	70

House Scavenging.

This work, which is performed by the Council's own Employees under the supervision of the Sanitary Inspector, received very careful attention during the year.

The total number of applications received requesting the Council to empty refuse receptacles for the year being 19. 15 of these were applications for emptying ashpits, the remaining four being applications to empty ashbins.

The total number of loads of refuse removed, and the number of receptacles emptied, being :—

House Scavenging.

STATEMENT showing number of Receptacles emptied and reported to the Sanitary Committee at each Meeting.

Month	Weeks	Ashbins	Ashpits	Privy Middens	Gullies	Loads	Do. by Farm'rs
Jan.	2	763	74	42	110	114	...
Feb.	4	1543	168	158	314	246	...
Mar.	4	1608	181	176	299	258	...
Apr.	6	2301	181	253	582	303	...
May	4	1743	54	134	296	167	...
June	3	1200	74	124	377	172	...
July	5	2070	66	129	398	195	...
Aug.	7	2761	130	166	503	291	...
Sept.	2	828	29	92	177	113	...
Oct.	4	1840	82	179	467	210	7
Nov.	4	1777	68	193	488	209	...
Dec.	7	3338	148	232	731	318	...
Totals	52	21772	1255	1878	4742	2596	7
Total	1912	17867	2026	1183	3687	2488	28

The total number of loads of refuse carted to the tip represents a weight of 4,153 tons, 12 cwts, the average weight per load being assumed as 1 ton, 12 cwts, as compared with 2,488 loads removed in 1912, representing a weight of 3,980 tons, 16 cwts, being an increase of 172 tons, 16 cwts of refuse removed during 1913.

The number of loads of refuse removed by Farmers being seven, representing a weight of 11 tons, 4 cwts. as compared with 28 loads removed in 1912 by Farmers, representing 44 tons, 16 cwts, being a decrease of 33 tons, 12 cwts of refuse removed.

Housing of Working Classes Act, 1890 to 1909.

In conformity with the Housing (Inspection of District) Regulations, 1909, the procedure to give effect to these Regulations, and the Requirements of Section 17 of the Housing and Town Planning Act, 1909, has been continued during 1913.

The Council, however, recognising the scarcity of working class houses in the District, and the difficulty that the displaced occupiers of houses (which may be closed as unfit for human habitation), would have in obtaining suitable housing accommodation in the District, recommended that only the most defective dwelling-houses should be inspected and dealt with until the contemplated scheme for the erection of 58 dwelling-houses for the working classes was nearing completion; as a consequence, only seven houses were inspected and deemed unfit for human habitation during the year.

Six of the houses represented were empty, the remaining one being dilapidated and defective. Closing and Demolition Orders were issued with respect to the seven houses referred to, but at the end of the year the Demolition Orders had not been carried out.

The total number of Houses inspected is 351, and the number of Closing Orders issued during the past two years 14. Four Orders determining Closing Orders have been issued upon the houses being made fit for human habitation. One house has been demolished, two houses are being used as storerooms. Demolition Orders being issued respecting the remaining seven.

Summary of Visits.

Infectious and Contagious Diseases...	94
Slaughter-houses	71
Factories and Workshops	65
Cowsheds and Dairies...	64
Offensive Trades	2
Testing Drains and Fittings, and Works in progress	428
Interviews and Appointments and Nuisances of a general character	212
Smoke Observations	37
Re Housing and Town Planning Act	29
Total	1002

I am, Gentlemen,

Yours obediently,

ELI SHAW, Cert. San. Inst.,

Sanitary Inspector.

BRITISH MUSEUM 56 OCT